

Access DB# 105329**SEARCH REQUEST FORM**

Scientific and Technical Information Center

Requester's Full Name: Naoko Slack Examiner #: 78364 Date: 10/3/03
 Art Unit: 3635 Phone Number 305-0315 Serial Number: 10/010499
 Mail Box and Bldg/Room Location: 6B19 Results Format Preferred (circle): PAPER DISK E-MAIL
 Any

If more than one search is submitted, please prioritize searches in order of need.

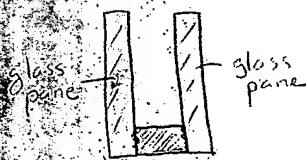
 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Methods & Devices For Manufacturing Insulating Glass Units
 Inventors (please provide full names): Trpkovski, Paul

Earliest Priority Filing Date: 12/03/2001

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Methods of coating the edges of window glass in double-pane windows



Method I: spraying the edges of the glass panes simultaneously.

Method II: spraying the edges of the glass panes, one at a time.

52/171.3
e 066-007?

427/165 427/110 156/107
105d-005? b32b-017?
" - 031?
C 03c-027?

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STAFF USE ONLY

Searcher: Naoko Slack
 Searcher Phone #: 306-5967
 Searcher Location: FTC 3600
 Date Searcher Picked Up: 10/3/03
 Date Completed: 10/6/03
 Searcher Prep & Review Time: _____
 Clerical Prep Time: _____
 Online Time: _____

Type of Search

NA Sequence (#) _____
 AA Sequence (#) _____
 Structure (#) _____
 Bibliographic _____
 Litigation _____
 Fulltext _____
 Patent Family _____
 Other _____

Vendors and cost where applicable

STN _____
 Dialog _____
 Questel/Orbit _____
 Dr. Link _____
 Lexis/Nexis _____
 Sequence Systems _____
 WWW/Internet _____
 Other (specify) _____



STIC Search Report

EIC 3600

STIC Database Tracking Number: 105329

TO: Naoko Slack
Location: Pk. 5, 6B19
Art Unit: 3635
Monday, October 06, 2003

Case Serial Number: 10/010499

From: Caryn Wesner-Early
Location: EIC 3600
PK5-Suite 804
Phone: 306-5967

caryn.wesner@uspto.gov

Search Notes

If a modification or re-focus of this search is needed, please let me know.

A handwritten signature in cursive script, appearing to read "Caryn", is positioned above the typed name.

Caryn S. Wesner-Early, MSLS
Technical Information Specialist
EIC 3600, US Patent & Trademark Office
Phone: (703) 306-5967
Fax: (703) 306-5758
caryn.wesner@uspto.gov



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?show files;ds
File 348:EUROPEAN PATENTS 1978-2003/Sep W04
(c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20031002,UT=20030925
(c) 2003 WIPO/Univentio
File 347:JAPIO Oct 1976-2003/May(Updated 030902)
(c) 2003 JPO & JAPIO
File 351:Derwent WPI 1963-2003/UD,UM &UP=200362
(c) 2003 Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
(c) 2002 INPI. All rts. reserv.
File 179:Architecture DB 1987-2003/Jul
(c) 2003 Royal Inst. of Brit. Architects
File 35:Disertation Abs Online 1861-2003/Sep
(c) 2003 ProQuest Info&Learning
File 65:Inside Conferences 1993-2003/Oct W1
(c) 2003 BLDSC all rts. reserv.
File 8:EI Compendex(R) 1970-2003/Sep W4
(c) 2003 Elsevier Eng. Info. Inc.
File 96:FLUIDEX 1972-2003/Sep
(c) 2003 Elsevier Science Ltd.
File 118:ICONDA-Intl Construction 1976-2003/Sep
(c) 2003 Fraunhofer-IRB
File 94:JICST-EPlus 1985-2003/Sep W4
(c)2003 Japan Science and Tech Corp(JST)
File 6:NTIS 1964-2003/Oct W1
(c) 2003 NTIS, Intl Cpyrght All Rights Res
File 144:Pascal 1973-2003/Sep W4
(c) 2003 INIST/CNRS
File 323:RAPRA Rubber & Plastics 1972-2003/Sep
(c) 2003 RAPRA Technology Ltd
File 34:SciSearch(R) Cited Ref Sci 1990-2003/Sep W4
(c) 2003 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Aug
(c) 2003 The HW Wilson Co.
File 399:CA SEARCH(R) 1967-2003/UD=13914
(c) 2003 American Chemical Society
File 31:World Surface Coatings Abs 1976-2003/Sep
(c) 2003 Paint Research Assn.
File 111:TGG Natl.Newspaper Index(SM) 1979-2003/Oct 02
(c) 2003 The Gale Group
File 9:Business & Industry(R) Jul/1994-2003/Oct 03
(c) 2003 Resp. DB Svcs.
File 990:NewsRoom Current 2003/Oct 05
(c) 2003 The Dialog Corp.
File 47:Gale Group Magazine DB(TM) 1959-2003/Oct 03
(c) 2003 The Gale group
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Oct 06
(c) 2003 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2003/Oct 03
(c) 2003 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2003/Oct 06
(c)2003 The Gale Group
File 624:McGraw-Hill Publications 1985-2003/Oct 03
(c) 2003 McGraw-Hill Co. Inc
File 369:New Scientist 1994-2003/Sep W4
(c) 2003 Reed Business Information Ltd.
File 483:Newspaper Abs Daily 1986-2003/Oct 03
(c) 2003 ProQuest Info&Learning
File 484:Periodical Abs Plustext 1986-2003/Sep W4
(c) 2003 ProQuest
File 141:Readers Guide 1983-2003/Aug
(c) 2003 The HW Wilson Co

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File 370:Science 1996-1999/Jul W3

(c) 1999 AAAS

File 95:TEME-Technology & Management 1989-2003/Sep W2

(c) 2003 FIZ TECHNIK

Set	Items	Description
S1	44	AU='TRPKOVSKI P':AU='TRPKOVSKI PAUL'
S2	1	AU='TRPKOVSKI, PAUL'
S3	30	AU='TRPKOVSKI'
S4	45	S1 OR S2 OR S3
S5	44	S4 FROM 348, 349, 347, 351, 371
S6	1	S4 NOT S5
S7	87914	IC=(B05D-005? OR B32B-017? OR B32B-031? OR C03C-027?)
S8	9	S5 AND S7
S9	9	IDPAT (sorted in duplicate/non-duplicate order)
S10	7	IDPAT (primary/non-duplicate records only)
S11	8	S6 OR S10

11/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01614831

METHODS AND DEVICES FOR MANUFACTURING INSULATING GLASS UNITS
VERFAHREN UND VORRICHTUNGEN ZUM HERSTELLEN VON ISOLIERVERGLASUNGSEINHEITEN
PROCEDE ET DISPOSITIFS DE FABRICATION D'UNITES DE VITRAGE ISOLANT
PATENT ASSIGNEE:

CARDINAL IG COMPANY, (861333), Suite 200, 775 Prairie Center Drive,,
Minnetonka, MN 55344, (US), (Applicant designated States: all)

INVENTOR:

TRPKOVSKI , Paul, S7845 Highland Road, Loganville, WI 53943, (US
PATENT (CC, No, Kind, Date):

WO 2003048495 030612

APPLICATION (CC, No, Date): EP 2002791313 021125; WO 2002US37826 021125

PRIORITY (CC, No, Date): US 10499 011203

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
IE; IT; LI; LU; MC; NL; PT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: E06B-003/673; B05D-005/00

LANGUAGE (Publication,Procedural,Application): English; English; English

INVENTOR:

TRPKOVSKI , Paul...

...INTERNATIONAL PATENT CLASS: B05D-005/00

11/3,K/2 (Item 1 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

015554410 **Image available**

WPI Acc No: 2003-616565/200358

XRAM Acc No: C03-168162

XRPX Acc No: N03-490982

Fabrication of insulating glass assembly, involves shielding portion of
first face of second pane, shielding portion of second face of first
pane, and applying deposit forming material to portion of periphery of
first pane

Patent Assignee: CARDINAL GLASS IND INC (CARD-N); TRPKOVSKI P (TRPK-I);

CARDINAL IG CO (CARD-N)

Inventor: TRPKOVSKI P

Number of Countries: 100 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030101664	A1	20030605	US 200110499	A	20011203	200358 B
JP 2003166380	A	20030613	JP 2002147841	A	20020522	200358
WO 200348495	A1	20030612	WO 2002US37826	A	20021125	200358

Priority Applications (No Type Date): US 200110499 A 20011203

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20030101664 A1 37 E06B-007/00

JP 2003166380 A 20 E06B-003/66

WO 200348495 A1 E E06B-003/673

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

Inventor: TRPKOVSKI P

11/3,K/3 (Item 2 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

015417947 **Image available**
WPI Acc No: 2003-480087/200345
XRPX Acc No: N03-381616

Connector key for use in windows and doors to join ends of tubular
spacers has transverse channels in which bands of sealant are formed by
sealant injected into left and right through holes
Patent Assignee: CARDINAL GLASS IND INC (CARD-N); TRPKOVSKI P (TRPK-I);
ZURN B J (ZURN-I); CARDINAL IG CO (CARD-N)
Inventor: TRPKOVSKI P ; ZURN B J
Number of Countries: 100 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030059253	A1	20030327	US 2001961622	A	20010924	200345 B
WO 200329594	A1	20030410	WO 2002US29947	A	20020920	200345
JP 2003165750	A	20030610	JP 2001391721	A	20011225	200347

Priority Applications (No Type Date): US 2001961622 A 20010924

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20030059253	A1		13	F16B-007/00	
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WO 200329594	A1 E			E06B-003/667	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

JP 2003165750	A		10	C03C-027/06	
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Inventor: TRPKOVSKI P ...

International Patent Class (Main): C03C-027/06 ...

11/3,K/4 (Item 3 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

015239038 **Image available**
WPI Acc No: 2003-299964/200329
Related WPI Acc No: 2003-299965; 2003-418633
XRPX Acc No: N03-238702

Monolithic transparent pane for glazing assembly of e.g. window, has
protection covering formed with strips of masking material and provided
on major portions of one pane surface
Patent Assignee: CARDINAL GLASS IND INC (CARD-N); TRPKOVSKI P (TRPK-I);
CARDINAL IG CO (CARD-N)

Inventor: TRPKOVSKI P ; SPINDLER R G
Number of Countries: 100 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030041533	A1	20030306	US 2001940970	A	20010828	200329 B
			US 200276211	A	20020212	
JP 2003063845	A	20030305	JP 2001279891	A	20010914	200340
WO 200321069	A1	20030313	WO 2002US27500	A	20020828	200341
WO 200321054	A2	20030313	WO 2002US27403	A	20020827	200341

Priority Applications (No Type Date): US 200276211 A 20020212; US

2001940970 A 20010828

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 20030041533 A1 26 E04B-001/00 CIP of application US 2001940970
JP 2003063845 A 52 C03C-027/06
WO 200321069 A1 E E06B-003/66

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

WO 200321054 A2 E E04B-001/74

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

Inventor: TRPKOVSKI P ...

International Patent Class (Main): C03C-027/06 ...

International Patent Class (Additional): C03C-027/10 ...

11/AA,AN,AZ,TI/1 (Item 1 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

01614831

METHODS AND DEVICES FOR MANUFACTURING INSULATING GLASS UNITS
VERFAHREN UND VORRICHTUNGEN ZUM HERSTELLEN VON ISOLIERVERGLASUNGSEINHEITEN
PROCEDE ET DISPOSITIFS DE FABRICATION D'UNITES DE VITRAGE ISOLANT
APPLICATION (CC, No, Date): EP 2002791313 021125; WO 2002US37826 021125
PRIORITY (CC, No, Date): US 10499 011203

11/AA,AN,AZ,TI/2 (Item 1 from file: 351)
DIALOG(R)File 351:(c) 2003 Thomson Derwent. All rts. reserv.

015554410

WPI Acc No: 2003-616565/

Fabrication of insulating glass assembly, involves shielding portion of first face of second pane, shielding portion of second face of first pane, and applying deposit forming material to portion of periphery of first pane

Local Applications (No Type Date): US 200110499 A 20011203; JP 2002147841 A 20020522; WO 2002US37826 A 20021125

Priority Applications (No Type Date): US 200110499 A 20011203

11/AA,AN,AZ,TI/3 (Item 2 from file: 351)
DIALOG(R)File 351:(c) 2003 Thomson Derwent. All rts. reserv.

015417947

WPI Acc No: 2003-480087/

Connector key for use in windows and doors to join ends of tubular spacers has transverse channels in which bands of sealant are formed by sealant injected into left and right through holes

Local Applications (No Type Date): US 2001961622 A 20010924; WO 2002US29947 A 20020920; JP 2001391721 A 20011225

Priority Applications (No Type Date): US 2001961622 A 20010924

11/AA,AN,AZ,TI/4 (Item 3 from file: 351)
DIALOG(R)File 351:(c) 2003 Thomson Derwent. All rts. reserv.

015239038

WPI Acc No: 2003-299964/

Monolithic transparent pane for glazing assembly of e.g. window, has protection covering formed with strips of masking material and provided on major portions of one pane surface

Local Applications (No Type Date): US 2001940970 A 20010828; US 200276211 A 20020212; JP 2001279891 A 20010914; WO 2002US27500 A 20020828; WO 2002US27403 A 20020827

Priority Applications (No Type Date): US 200276211 A 20020212; US 2001940970 A 20010828

11/AA,AN,AZ,TI/5 (Item 4 from file: 351)
DIALOG(R)File 351:(c) 2003 Thomson Derwent. All rts. reserv.

015217332

WPI Acc No: 2003-278245/

Servicing of insulating glass unit with spaced-apart panes, where internal space has gaseous interior at different pressure to ambient, comprises forming a hole through one pane and flowing gas through hole to reduce pressure differential

Local Applications (No Type Date): WO 2002US19585 A 20020620; US 2001299862 P 20010621; US 2002118853 A 20020409

Priority Applications (No Type Date): US 2002118853 A 20020409; US

11/AA,AN,AZ,TI/6 (Item 5 from file: 351)
DIALOG(R)File 351:(c) 2003 Thomson Derwent. All rts. reserv.

013881905

WPI Acc No: 2001-366117/

Seal failure detection method for manufacturing insulated glass unit of windows, doors, involves measuring surface profile after increasing pressure between panes held in pressed condition

Local Applications (No Type Date): US 97957532 A 19971024; US 99286349 A 19990405; US 99441687 A 19991116; WO 2000US42214 A 20001116; AU 200134395 A 20001116; WO 2000US42214 A 20001116; NO 20022385 A 20020516; EP 2000991745 A 20001116; WO 2000US42214 A 20001116; WO 2000US42214 A 20001116; JP 2001538682 A 20001116

Priority Applications (No Type Date): US 99441687 A 19991116; US 97957532 A 19971024; US 99286349 A 19990405

11/AA,AN,AZ,TI/7 (Item 6 from file: 351)
DIALOG(R)File 351:(c) 2003 Thomson Derwent. All rts. reserv.

012520617

WPI Acc No: 1999-326723/

Filling double glazing panel with gas

Local Applications (No Type Date): WO 98US22437 A 19981022; US 97957532 A 19971024; EP 98953915 A 19981022; WO 98US22437 A 19981022; US 97957532 A 19971024; US 99286349 A 19990405; WO 98US22437 A 19981022; JP 2000518180 A 19981022; WO 98US22437 A 19981022; JP 2000518180 A 19981022

Priority Applications (No Type Date): US 97957532 A 19971024; US 99286349 A 19990405

11/AA,AN,AZ,TI/8 (Item 1 from file: 399)
DIALOG(R)File 399:(c) 2003 American Chemical Society. All rts. reserv.

138229368 CA: 138(15)229368s

Laser-beam apparatus for on-line etching of indicia on planar substrates
APPLICATION: US 84113 (20020225) *US PV322558 (20010912)

?show files;ds

File 347:JAPIO Oct 1976-2003/May(Updated 030902)

(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200362

(c) 2003 Thomson Derwent

Set	Items	Description
S1	1154926	WINDOW? OR GLASS OR VITREOUS OR CRYSTAL OR FUSED()SILICATE? ? OR (TRANSPARENT OR TRANSLUCENT OR TRANS() (PARENT OR LUCENT) OR CLEAR OR SEE()THROUGH OR TRANSPICUOUS OR LUCID OR SEMITRA- NSPARENT)()PANEL
S2	836560	(MULTIPLE OR TWO OR 2 OR SECOND OR DUPLICATE? ? OR DOUBLE? ? OR TWOFOLD OR DUAL OR ITERATED OR PLURAL OR PAIR OR TWIN OR TWINNED) (3W) (GLAZE??? OR PANE? ? OR GLASS) OR INSULAT???
S3	1860557	COATING? ? OR SEALANT? ? OR ADHESIVE? ? OR GLUE? ? OR BOND- ??? OR CEMENT?? OR MASTIC OR EPOXY
S4	4139954	SPRAY??? OR JET OR JETTED OR SPREAD??? OR ATOMIZ??? OR ATO- MIS??? OR MIST??? OR APPLY OR APPLI? OR DISPERS??? OR FILM OR SQUIRT? ? OR NOZZLE
S5	3158165	EDGES OR PERIPHERY OR RIM OR RIMS OR BORDER? ? OR PERIMETER OR END OR ENDS
S6	729291	SIMULTANEOUS?? OR AT()ONCE OR CONCURRENT? OR SAME()TIME
S7	53155	S1(5N)S2
S8	360658	S3(10N)S4
S9	13025	S8(10N)S5
S10	83	S9(5N)S6
S11	2478	S9(5N) (SEPARATE?? OR (ONE OR 1) (3W) (TIME OR ONE OR 1))
S12	20	S7(S) (S10 OR S11)
S13	91129	IC=(E06B-007? OR B05D-005? OR B32B-017? OR B32B-031? OR C0- 3C-027?)
S14	2	S12 AND S13
S15	9	S7(10N) (S10 OR S11)
S16	10	S14 OR S15
S17	10	IDPAT (sorted in duplicate/non-duplicate order)
S18	10	IDPAT (primary/non-duplicate records only)

18/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014585189 **Image available**
WPI Acc No: 2002-405893/200244
XRPX Acc No: N02-318728

Double glazed security *window* unit comprising *two* sheets of *glass*
separated by edge spacers and polyurethane *sealant* to create an
insulating cavity having security *film* fixed to the inner glass
surfaces and anchored round the *edges*

Patent Assignee: ADVANTAGE SECURITY INC (ADVA-N)
Inventor: LAMPARSKI V; MASSE C
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2323939	A1	20020420	CA 2323939	A	20001020	200244 B

Priority Applications (No Type Date): CA 2323939 A 20001020

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2323939	A1	E	5	E06B-003/66	

Double glazed security *window* unit comprising *two* sheets of *glass*
separated by edge spacers and polyurethane *sealant* to create an
insulating cavity having security *film* fixed to the inner glass
surfaces and anchored round the *edges*

18/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

010441686 **Image available**
WPI Acc No: 1995-343005/199544
XRAM Acc No: C95-150900

Triplex glass prodn. - by glass packet assembly by fitting gauge on first
glass to determine gap between glass sheets

Patent Assignee: VOROBIEV A A (VORO-I)
Inventor: VOROBIEV A A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RU 2031873	C1	19950327	RU 9411589	A	19940404	199544 B

Priority Applications (No Type Date): RU 9411589 A 19940404

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
RU 2031873	C1		6	C03C-027/12	

...Abstract (Basic): the gauges on the first glass sheet to determine the
gap between the sheets, the *second* *glass* sheet is then fitted
forming the glass packet and the *ends* of the packet are *glued* by an
adhesive *film*. The gauges are removed *simultaneously* from the
glass packet cavity and the tap is fixed by external supports. The
glass...

International Patent Class (Main): *C03C-027/12*

18/3,K/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

001597921
WPI Acc No: 1976-32326X/197618

Applying adhesive to the edges of glass panes - used for insulation,
where machine coats two edges simultaneously

Patent Assignee: SAINT-GOBAIN IND SA (COMP)

Number of Countries: 018 Number of Patents: 019

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 2544301	A	19760422				197618	B
BE 834353	A	19760409				197618	
NL 7511854	A	19760413				197618	
SE 7511283	A	19760510				197622	
NO 7503420	A	19760510				197623	
FI 7502799	A	19760531				197626	
DK 7504546	A	19760614				197628	
JP 51064521	A	19760604				197629	
FR 2287278	A	19760611				197630	
PT 64356	A	19760805				197641	
BR 7506600	A	19760817				197642	
ZA 7506412	A	19760802				197644	
AT 7507723	A	19770215				197709	
GB 1500416	A	19780208				197806	
CH 605445	A	19780929				197841	
US 4145237	A	19790320				197914	
CA 1058496	A	19790717				197932	
IT 1044667	B	19800421				198026	
DE 2544301	B	19810813				198134	

Priority Applications (No Type Date): FR 7434156 A 19741010

...Abstract (Basic): Process for the simultaneous sealing of *two* edges of
a *pane* of *insulating* *glass* between two sealant nozzles, the
novelty being that the nozzles are stationary and directed towards...

...edges of the pane which travels parallel with and past the nozzles, and
the sealing *adhesive* is *simultaneously* *applied* on both sides from
one *end* of the edge to the other end. The pref. machine consists of
a frame fitted...

...International Patent Class (Additional): *C03C-027/12*

18/3,K/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

04246557 **Image available**

INSTALLATION STRUCTURE OF LAMINATED GLASS

PUB. NO.: 05-238257 [JP 5238257 A]

PUBLISHED: September 17, 1993 (19930917)

INVENTOR(s): KUMADA MASATAKA

NOJIRI NAOYA

SHIOKAWA MAKOTO

APPLICANT(s): HONDA MOTOR CO LTD [000532] (A Japanese Company or
Corporation), JP (Japan)

APPL. NO.: 04-075452 [JP 9275452]

FILED: February 26, 1992 (19920226)

JOURNAL: Section: M, Section No. 1531, Vol. 17, No. 694, Pg. 164,
December 17, 1993 (19931217)

ABSTRACT

... the periphery of an intermediate film 3, and the intermediate film 3 is
nipped by *two* pieces of *glass* plates 2 and 2 each of which is *applied*
with the black ceramic *coating* 5 on *one* surface of the *periphery*,
and a joint glass *1* is assembled, and the joint glass 1 is installed on a
car body 7 by...

18/AZ, TI/1 (Item 1 from file: 350)
DIALOG(R) File 350:(c) 2003 Thomson Derwent. All rts. reserv.

014585189

Double glazed security *window* unit comprising *two* sheets of *glass*
separated by edge spacers and polyurethane *sealant* to create an
insulating cavity having security *film* fixed to the inner glass
surfaces and anchored round the *edges*

18/AZ, TI/2 (Item 2 from file: 350)
DIALOG(R) File 350:(c) 2003 Thomson Derwent. All rts. reserv.

010441686

Triplex glass prodn. - by glass packet assembly by fitting gauge on first
glass to determine gap between glass sheets

18/AZ, TI/3 (Item 3 from file: 350)
DIALOG(R) File 350:(c) 2003 Thomson Derwent. All rts. reserv.

007019122

Forming glass coating film on semiconductor wafer - involves forming
glass coating film by coating liq. glass, removing glass selectively
using etching soln. and heating

18/AZ, TI/4 (Item 4 from file: 350)
DIALOG(R) File 350:(c) 2003 Thomson Derwent. All rts. reserv.

001597921

Applying adhesive to the edges of glass panes - used for insulation,
where machine coats two edges simultaneously

18/AZ, TI/5 (Item 5 from file: 347)
DIALOG(R) File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

04438700

RADIATION IMAGE CONVERSION PANEL

18/AZ, TI/6 (Item 6 from file: 347)
DIALOG(R) File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

04246557

INSTALLATION STRUCTURE OF LAMINATED GLASS

18/AZ, TI/7 (Item 7 from file: 347)
DIALOG(R) File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

04173301

PRODUCING METHOD FOR LIQUID CRYSTAL PANEL

18/AZ, TI/8 (Item 8 from file: 347)
DIALOG(R) File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

03432984

SPARK PLUG

18/AZ, TI/9 (Item 9 from file: 347)
DIALOG(R) File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

02458753

CATHODE STRUCTURE IN DIAPHRAGM TYPE OXYGEN MEASURING ELECTRODE

18/AZ, TI/10 (Item 10 from file: 347)

DIALOG(R) File 347: (c) 2003 JPO & JAPIO. All rts. reserv.

02388710

ULTRASONIC WAVE DELAY LINE

. ?show files;ds
 File 179:Architecture DB 1987-2003/Jul
 (c) 2003 Royal Inst. of Brit. Architects
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 File 6:NTIS 1964-2003/Oct W1
 (c) 2003 NTIS, Intl Cpyrght All Rights Res
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 File 323:RAPRA Rubber & Plastics 1972-2003/Sep
 (c) 2003 RAPRA Technology Ltd
 File 34:SciSearch(R) Cited Ref Sci 1990-2003/Sep W4
 (c) 2003 Inst for Sci Info
 File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c) 1998 Inst for Sci Info
 File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Aug
 (c) 2003 The HW Wilson Co.
 File 399:CA SEARCH(R) 1967-2003/UD=13914
 (c) 2003 American Chemical Society
 File 31:World Surface Coatings Abs 1976-2003/Sep
 (c) 2003 Paint Research Assn.
 File 111:TGG Natl.Newspaper Index(SM) 1979-2003/Oct 02
 (c) 2003 The Gale Group

Set	Items	Description
S1	3204336	WINDOW? OR GLASS OR VITREOUS OR CRYSTAL OR FUSED()SILICATE? ? OR (TRANSPARENT OR TRANSLUCENT OR TRANS() (PARENT OR LUCENT) OR CLEAR OR SEE()THROUGH OR TRANSPICUOUS OR LUCID OR SEMITRA- NSPARENT)() PANEL
S2	521424	(MULTIPLE OR TWO OR 2 OR SECOND OR DUPLICATE? ? OR DOUBLE? ? OR TWOFOLD OR DUAL OR ITERATED OR PLURAL OR PAIR OR TWIN OR TWINNED) (3W) (GLAZE??? OR PANE? ? OR GLASS) OR INSULAT???
S3	3075789	COATING? ? OR SEALANT? ? OR ADHESIVE? ? OR GLUE? ? OR BOND- ??? OR CEMENT?? OR MASTIC OR EPOXY
S4	8875730	SPRAY??? OR JET OR JETTED OR SPREAD??? OR ATOMIZ??? OR ATO- MIS??? OR MIST??? OR APPLY OR APPLI? OR DISPERS??? OR FILM OR SQUIRT? ? OR NOZZLE
S5	1186302	EDGES OR PERIPHERY OR RIM OR RIMS OR BORDER? ? OR PERIMETER OR END OR ENDS
S6	853946	SIMULTANEOUS?? OR AT()ONCE OR CONCURRENT? OR SAME()TIME
S7	13100166	SEPARATE?? OR (ONE OR 1) (3W) (TIME OR ONE OR 1)
S8	44143	S1(5N)S2
S9	331497	S3(10N)S4
S10	1709	S9(10N)S5
S11	5	S10(5N)S6
S12	111	S10(5N)S7
S13	0	S8(S) (S11 OR S12)
S14	1	S1 AND S11
S15	0	S8(S)S12
S16	16	(S1 OR S2) (S)S12
S17	17	S14 OR S16
S18	17	S17 NOT PY>2001
S19	17	S18 NOT PD=20011204:20031130
S20	15	RD (unique items)

20/3,K/9 (Item 2 from file: 323)
DIALOG(R)File 323:RAPRA Rubber & Plastics
(c) 2003 RAPRA Technology Ltd. All rts. reserv.

00729215

TITLE: RALLIKOL 750
CORPORATE SOURCE: Astor Ltd.
SOURCE: West Drayton, 1998, pp.2. 12 ins. 30/4/99.
JOURNAL ANNOUNCEMENT: 199907 RAPRA UPDATE: 199912
DOCUMENT TYPE: Trade Literature
LANGUAGE: English
SUBFILE: (R) RAPRA

ABSTRACT: Details are given of Rallikol 750, a *one*-part polysulphide
sealant for use in building *applications* such as sealing
perimeter seals to doors and *windows*, masonry joints, and glazing.
Since the product cures on exposure to moisture, and takes between...

20/3,K/11 (Item 4 from file: 323)
DIALOG(R)File 323:RAPRA Rubber & Plastics
(c) 2003 RAPRA Technology Ltd. All rts. reserv.

00435423

TITLE: 5090 PAINTABLE, OVERPAINTABLE SILICONE SEALANT
CORPORATE SOURCE: GE SILICONES UNITED KINGDOM
SOURCE: Bolton, 1991, pp.2. 12ins. 2/10/91. 45C-63Bu-6A2
JOURNAL ANNOUNCEMENT: 199202 RAPRA UPDATE: 199201
DOCUMENT TYPE: Trade Literature
LANGUAGE: English
SUBFILE: (R) RAPRA; (A) Adhesives

ABSTRACT: 5090 from GE Silicones is an overpaintable silicone *sealant*. It
is a *one*-part, gun-*applied* *sealant* that can be used for
perimeter pointing around *window* and door frames and low movement
expansion joints. Further applications and product characteristics are
briefly...

20/3,K/12 (Item 5 from file: 323)
DIALOG(R)File 323:RAPRA Rubber & Plastics
(c) 2003 RAPRA Technology Ltd. All rts. reserv.

00373649

TITLE: HANSIL 580 ONE-PART OIL-BASED MASTIC. PRODUCT DATA
CORPORATE SOURCE: DOW CORNING HANSIL LTD.
SOURCE: Byfleet, 1989, pp.4. 12ins. 27/2/89. 6A2
JOURNAL ANNOUNCEMENT: 198906 RAPRA UPDATE: 198910
DOCUMENT TYPE: Trade Literature
LANGUAGE: English
SUBFILE: (R) RAPRA; (A) Adhesives

...ABSTRACT: design and preparation, main uses and benefits are presented
for Hansil 580. It is a *one*-part, high-performance oil-based *mastic*
for use in external *applications* where joint movement is low, e.g.
perimeter pointing of metal and timber door and *window* frames, and
repairs to roofs and flashings.

20/3,K/14 (Item 1 from file: 31)
DIALOG(R)File 31:World Surface Coatings Abs
(c) 2003 Paint Research Assn. All rts. reserv.

00400187 WSCA ABSTRACT NUMBER: 86-07855 WSCA ID NUMBER: 227855
Australian breakthrough in glass coating technology.

ANON

Mfg. Chem. 1986, Vol 57 No 5, 43.

1986

JOURNAL ANNOUNCEMENT: 8610 WSCA UPDATE CODE: 8609

DOCUMENT TYPE: Journal LANGUAGE: English

SECTION (CODE,HEADING): 63 Paints, etc. for other Specific Uses

ABSTRACT: A structural *glass* *coating* process has been developed, involving a *one*-component formulation *applied* and cured at ambient temperatures. The *coating* is *applied* by high-speed electrostatic *spraying* at high production rates at the cold *end* of the bottle-making operation. It renders the *glass* highly resistant to breaking.

20/3,K/15 (Item 2 from file: 31)

DIALOG(R)File 31:World Surface Coatings Abs

(c) 2003 Paint Research Assn. All rts. reserv.

00300442 WSCA ABSTRACT NUMBER: 76-00442 WSCA ID NUMBER: 20442

Electrostatic coating device.

PATENT ASSIGNEE: GEMA AG

Ger. Pat. Rept. 1975, Vol W No 34, Gp J, 1.

PATENT (NUMBER,DATE): DE 2030388

JOURNAL ANNOUNCEMENT: 7601 WSCA UPDATE CODE: 7600

DOCUMENT TYPE: Patent LANGUAGE: English

SECTION (CODE,HEADING): 50 Pretreatment and Application

ABSTRACT: The device comprises a tube of an *insulating* material down which a mixture of propellant gas and *coating* powder flows towards an *atomiser* located at *one* *end* of the tube. Electrodes at different potential are arranged circumferentially around the inside of the...

20/AA,AN,TI/1 (Item 1 from file: 8)
DIALOG(R)File 8:(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

00200794

E.I. Monthly No: EI72X006346

Title: Atraumatic electrodes for cardiac monitoring.

20/AA,AN,TI/2 (Item 1 from file: 94)
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts.
reserv.

04727190 JICST ACCESSION NUMBER: 01A0216609

Microfabricated Chips for Capillary Electrophoresis on Quartz Glass
Substrates.

20/AA,AN,TI/3 (Item 2 from file: 94)
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts.
reserv.

04427759 JICST ACCESSION NUMBER: 99A0922673

Micro-Fabrication of Quartz Microchips for Capillary Electrophoresis and
their Analytical Performances.

20/AA,AN,TI/4 (Item 3 from file: 94)
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts.
reserv.

03546719 JICST ACCESSION NUMBER: 98A0584724

Micro-fabrication and analytical performances of quartz and glass
microchips for electrophoresis.

20/AA,AN,TI/5 (Item 4 from file: 94)
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts.
reserv.

03433413 JICST ACCESSION NUMBER: 97A0862615

Semiconductor device.

20/AA,AN,TI/6 (Item 1 from file: 6)
DIALOG(R)File 6:(c) 2003 NTIS, Intl Cpyrght All Rights Res. All rts.
reserv.

NTIS Accession Number: AD-756 214/XAB

Plastics Fabrication by Ultraviolet, Infrared, Induction, Dielectric and
Microwave Radiation Methods
(State-of-the-Art rept. 1960-1971)

20/AA,AN,TI/7 (Item 1 from file: 144)
DIALOG(R)File 144:(c) 2003 INIST/CNRS. All rts. reserv.

13115619 PASCAL No.: 97-0097765

Torsional stress relaxation in tight-buffered optical fibers

20/AA,AN,TI/8 (Item 1 from file: 323)
DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

00817372

TITLE: COATED OPTICAL FIBER AND METHOD OF MAKING THE SAME

APPLICATION NUMBER: US 341874 (US 341874-1999)
PRIORITY NUMBER: JP 977772

20/AA,AN,TI/9 (Item 2 from file: 323)
DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

00729215
TITLE: RALLIKOL 750

20/AA,AN,TI/10 (Item 3 from file: 323)
DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

00513293
TITLE: PREDICTED INTERFACIAL SHEARING STRESS IN DUAL-COATED OPTICAL FIBRE
SPECIMENS SUBJECTED TO TENSION. I. THE CASE OF A CYLINDRICAL DOUBLE LAP
SHEAR JOINT

20/AA,AN,TI/11 (Item 4 from file: 323)
DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

00435423
TITLE: 5090 PAINTABLE, OVERPAINTABLE SILICONE SEALANT

20/AA,AN,TI/12 (Item 5 from file: 323)
DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

00373649
TITLE: HANSIL 580 ONE-PART OIL-BASED MASTIC. PRODUCT DATA

20/AA,AN,TI/13 (Item 6 from file: 323)
DIALOG(R)File 323: (c) 2003 RAPRA Technology Ltd. All rts. reserv.

00313651
TITLE: COATING HELPS GLASS BOTTLES FIGHT BACK

20/AA,AN,TI/14 (Item 1 from file: 31)
DIALOG(R)File 31:(c) 2003 Paint Research Assn. All rts. reserv.

00400187 WSCA ID NUMBER: 227855
Australian breakthrough in glass coating technology.

20/AA,AN,TI/15 (Item 2 from file: 31)
DIALOG(R)File 31:(c) 2003 Paint Research Assn. All rts. reserv.

00300442 WSCA ID NUMBER: 20442
Electrostatic coating device.

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?show files;ds
File 9:Business & Industry(R) Jul/1994-2003/Oct 03
(c) 2003 Resp. DB Svcs.
File 990:NewsRoom Current 2003/Oct 06
(c) 2003 The Dialog Corp.
File 47:Gale Group Magazine DB(TM) 1959-2003/Oct 03
(c) 2003 The Gale group
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Oct 06
(c) 2003 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2003/Oct 03
(c) 2003 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2003/Oct 06
(c)2003 The Gale Group
File 624:McGraw-Hill Publications 1985-2003/Oct 03
(c) 2003 McGraw-Hill Co. Inc
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(c) 2003 Reed Business Information Ltd.
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File 484:Periodical Abs Plustext 1986-2003/Sep W4
(c) 2003 ProQuest
File 141:Readers Guide 1983-2003/Aug
(c) 2003 The HW Wilson Co
File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS
File 95:TEME-Technology & Management 1989-2003/Sep W3
(c) 2003 FIZ TECHNIK

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Set	Items	Description
S1	1979537	WINDOW? OR GLASS OR VITREOUS OR CRYSTAL OR FUSED()SILICATE? ? OR (TRANSPARENT OR TRANSLUCENT OR TRANS() (PARENT OR LUCENT) OR CLEAR OR SEE()THROUGH OR TRANSPICUOUS OR LUCID OR SEMITRA- NSPARENT)()PANEL
S2	203467	(MULTIPLE OR TWO OR 2 OR SECOND OR DUPLICATE? ? OR DOUBLE? ? OR TWOFOOLD OR DUAL OR ITERATED OR PLURAL OR PAIR OR TWIN OR TWINNED) (3W) (GLAZE??? OR PANE? ? OR GLASS) OR INSULAT???
S3	1557796	COATING? ? OR SEALANT? ? OR ADHESIVE? ? OR GLUE? ? OR BOND- ??? OR CEMENT?? OR MASTIC OR EPOXY
S4	7157629	SPRAY??? OR JET OR JETTED OR SPREAD??? OR ATOMIZ??? OR ATO- MIS??? OR MIST??? OR APPLY OR APPLI? OR DISPERS??? OR FILM OR SQUIRT? ? OR NOZZLE
S5	6597347	EDGES OR PERIPHERY OR RIM OR RIMS OR BORDER? ? OR PERIMETER OR END OR ENDS
S6	1530388	SIMULTANEOUS?? OR AT()ONCE OR CONCURRENT? OR SAME()TIME
S7	23664	S1(5N)S2
S8	113487	S3(10N)S4
S9	2846	S8(10N)S5
S10	10	S9(10N)S6
S11	328	S9(10N) (SEPARATE?? OR (ONE OR 1) (3W) (TIME OR ONE OR 1))
S12	0	S7(S) (S10 OR S11)
S13	0	(S1 OR S2) (S)S10
S14	2	(S1 OR S2) AND S10
S15	0	S7(S)S11
S16	8	S7 AND S11
S17	10	S14 OR S16
S18	10	S17 NOT PY>2001
S19	10	S18 NOT PD=20011204:20031130
S20	10	RD (unique items)

20/3,K/2 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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13456557 SUPPLIER NUMBER: 74942328 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Bond Performance.
Rhodes, Kyle
Adhesives Age, 44, 4, 22
April, 2001
ISSN: 0001-821X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2727 LINE COUNT: 00265

... with a wide range of refractive indices. The UV instant curing is well suited to *doublet* assembly.
Glass-to-metal or plastic-to-metal bonding in applications such as lens, prism, mirror mounting...requirements. In other words, the cure is only successful if the desired properties of the *end*-product are achieved with ease, consistency and cost effectiveness.
Many *applications* require only lower intensity curing lamps.
Bonding between surfaces, *one* of which allows light to pass, is *one* of the applications where resin may be effectively cured with lower intensity, lower cost lamps...

20/3,K/3 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

11430808 SUPPLIER NUMBER: 56013725 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Powder coatings. (Educational Series) (part 4)
Wicks, Zeno W, Jr.; Jones, Frank N.; Pappas, S. Peter
Journal of Coatings Technology, 71, 895, 67(7)
August, 1999
ISSN: 0361-8773 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 4531 LINE COUNT: 00371

... cleanup time, it is still only economically feasible to make a reasonably long run of *one* color and then shift over to another color. Many important *applications* of powder *coatings*, such as fire extinguisher cases, are single color *end* uses, or are applications, such as metal furniture, for which runs of single colors are...34, 160 (1998); Blatter, K., MacFadden, B., Strid, M., and Niggemann, F., Coat. World, 3 (*2*), 26 (1998).
(26) *Glass*, T. and Depoy, J., Society Manufacturing Engineers Finishing Conf., FC91-384, Cincinnati, OH, September 1991...

20/3,K/4 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10946772 SUPPLIER NUMBER: 54360069 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Reengineering One-Component Epoxies: New Technologies Increase Value and Applications.
Dubs, Ron
Adhesives Age, 42, 2, 10(1)
Feb, 1999
ISSN: 0001-821X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1559 LINE COUNT: 00135

... latest one-part electronics adhesives can effectively bond numerous electronic-grade substrates (including conductors, semiconductors, *insulators*, *glass*, metals, thermoplastics and reinforced composites). Resulting materials can stand up to ever-increasing operating temperatures
...

...only by engineering vision and formulating realities.

STRUCTURAL ADHESIVES

Structural adhesives are also trending to *one*-component materials. Structural *adhesives* can loosely be defined as materials that are *applied* as an *adhesive*, and after curing become integrated into the structure of the *end* product. Cured structural adhesives are invariably critical to a product's successful operation. The use...

20/3,K/8 (Item 7 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

03881321 SUPPLIER NUMBER: 07443931 (USE FORMAT 7 OR 9 FOR FULL TEXT)

New glass technologies solve site challenges. (curved-glass structure: 17

State Street, New York City)

Gregerson, John

Building Design & Construction, v30, n3, p74(4)

March, 1989

ISSN: 0007-3407

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 2304

LINE COUNT: 00175

... Although use of four-sided silicone glazing is becoming more widespread, 17 State St. is *one* of the first high rises in Manhattan to feature it. *Applied* to all four *edges* of the curtain wall panels, the *sealant* eliminated the need for exterior metal stops or flanges.

"Because the glass is held in...

...curved facade consists of prefabricated, floor-to-floor, pre-glazed panels with 1/4-in. *insulating* *glass*. Manufactured by Cardinal IG, the glass features a light-blue reflective coating. Inboard spandrel glass...

20/AA,AN,TI/1 (Item 1 from file: 636)
DIALOG(R)File 636:(c) 2003 The Gale Group. All rts. reserv.

03480512 Supplier Number: 47175432
EMPA Successfully Fire Tests CFRP Strengthening Plates on Concrete Beam

20/AA,AN,TI/2 (Item 1 from file: 148)
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

13456557 SUPPLIER NUMBER: 74942328
Bond Performance.

20/AA,AN,TI/3 (Item 2 from file: 148)
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

11430808 SUPPLIER NUMBER: 56013725
Powder coatings. (Educational Series). (part 4)

20/AA,AN,TI/4 (Item 3 from file: 148)
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

10946772 SUPPLIER NUMBER: 54360069
Reengineering One-Component Epoxies: New Technologies Increase Value and Applications.

20/AA,AN,TI/5 (Item 4 from file: 148)
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

08124425 SUPPLIER NUMBER: 17389671
Plastics technology: manufacturing handbook & buyers' guide 1995/96. (Buyers Guide)

20/AA,AN,TI/6 (Item 5 from file: 148)
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

06213343 SUPPLIER NUMBER: 13793905
CD hybrid hums along. (compact discs packaging)

20/AA,AN,TI/7 (Item 6 from file: 148)
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

05185658 SUPPLIER NUMBER: 10735482
Bound to succeed. (innovations in bookbinding technology)

20/AA,AN,TI/8 (Item 7 from file: 148)
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

03881321 SUPPLIER NUMBER: 07443931
New glass technologies solve site challenges. (curved-glass structure: 17 State Street, New York City)

20/AA,AN,TI/9 (Item 8 from file: 148)
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

03328815 SUPPLIER NUMBER: 06245453
Paint, sundries, wall coverings, glass. (1988 Buyers' Guide) (buyers guide)

20/AA,AN,TI/10 (Item 9 from file: 148)
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

02488782 SUPPLIER NUMBER: 04044386
Paint, sundries, wall coverings, glass. ("Who Makes It" Buyers' Guide)